

ABSTRACT OF THE TECHNICAL CONTENT OF THE INVENTION

The present invention relates to the field of chemistry and more particularly to that of plant chemistry.

Its specific aim is a process for obtaining powders or extracts from the alga *Padina pavonica*, titrated with active principles by means of a coefficient of equivalence with estradiol, which consists of dosing the extract or the powder of *Padina pavonica* using a method in which osteoblasts are cultivated in a medium rich in calcium ions, an analysis is made of the calcium fixed by the cells of the extracellular matrix in the presence or absence of agents antagonistic to the fixing of calcium, and the results are expressed either in arbitrary or international units in relation to a reference standard or by reference to the known activity of fixed doses of estradiol or of any other agent favouring the fixing of calcium.

Utilization in biology.